

PROJECT NUMBER: 1740
PROJECT TITLE : Flavor Components of Tobacco and Filler
PROJECT LEADER: C. S. Kroustalis
PERIOD COVERED: September, 1985

I. FLAVORS

A. Profiling of the volatile pyrazines in the lab scale reactor aging study has continued. After two weeks of storage at ambient and under refrigeration, several components decreased in concentration. These components were: 2-acetyl-5(6)-methylpyrazine, 2-methyl-3-hydroxymethylpyrazine, methyl pyridinone, dimethyl pyridinone, 5(6)-methyl-2-hydroxymethylpyrazine, pyrazinyl ethanol, 5H-cyclopentapyrazine and two M.W. 138 isomers. It should be noted that the methyl hydroxymethylpyrazine isomers, pyrazinyl ethanol and the M.W. 138 isomers increased after two days followed by steep decrease. This aging study will continue for a total of six weeks.

B. A test market Salem Box which contained one third less menthol than Salem Softpack was found to contain 15x isopulegol, 2x menthone, 4x neoisomenthol and 2.4x benzylbenzoate than the Softpack. This indicates that either a different source of menthol is used or these components are added to menthol.

C. Flavor 8206-96 did not contain CF.

D. Kretek cigarettes were analyzed for eugenol. Djarum contained 4.6% and Gudang Garam contained 5.7% eugenol.

II. OTHERS

A. Approximately 350 RL samples from the RL stabilization program and the Pilot Plant RL humectant replacement study have been analyzed for low molecular acids. Two of the Pilot Plant samples that did not meet subjectives were high in acetic, propionic and beta-methylvaleric acids.

B. Memos

1. C. S. Kroustalis to J. L. Charles, "Analysis of Marlboro and B&H Menthol Cigarettes from Train Wreck", September 24, 1985.
2. C. S. Kroustalis to F. L. Daylor, "1) Salem Box 2) CF in Flavor 8206-96", September 30, 1985.
3. C. S. Kroustalis to R. D. Carpenter, "Marlboro LS-Louisville P#23 (CC #85041)", September 30, 1985.
4. C. S. Kroustalis to R. D. Carpenter, "B&H 100's HP-S/S M#57 P#72 'A' 2-85 (CC #85043)", September 30, 1985.
5. C. S. Kroustalis to R. D. Carpenter, "Marlboro 100's SP-M/C 2A3 'A' 6-85 (CC #85047)", September 30, 1985.

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